In the specification:

Please amend the following paragraph from page 10, 2nd paragraph as follows:

By performing a check at the start of a block of code rather ~~then~~ than at each instruction addressing the stack, the system of the present invention can provide a significant performance advantage. The check is performed in the block header and thus saves cycles and code size. Furthermore, numerous branches to the fault handling function are removed. Removing branch instructions can significantly improve performance since mispredicted branches may cause processor stalls. Finally, the improved code is easier to schedule.